

Analyzing Diagrams of Energy Flow

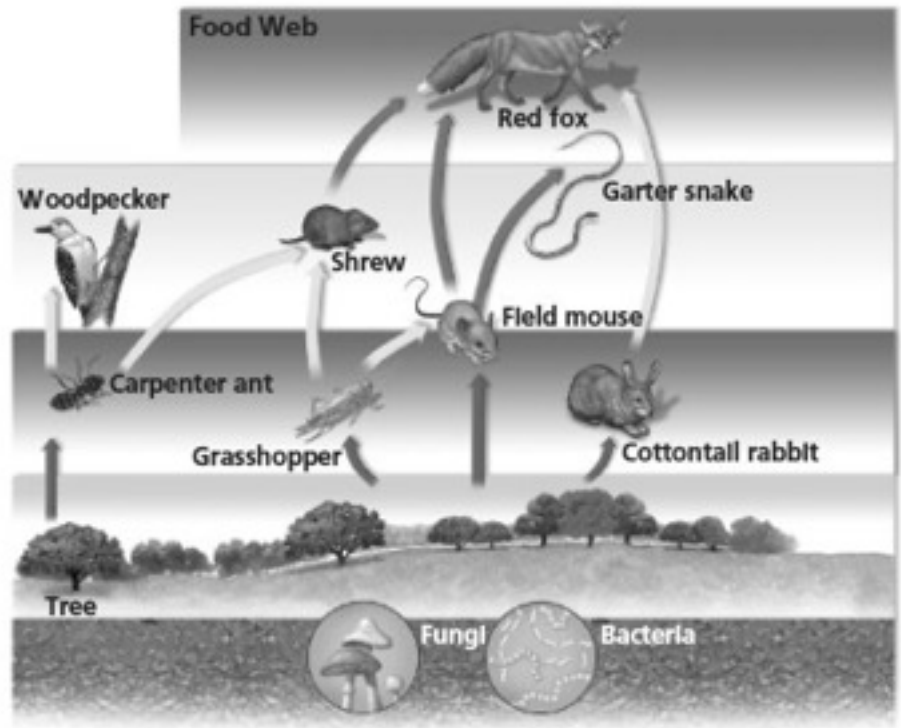
Name: _____ Date: _____

Group: _____ Section: _____



The image below is of a food web. Answer the questions based on this diagram.

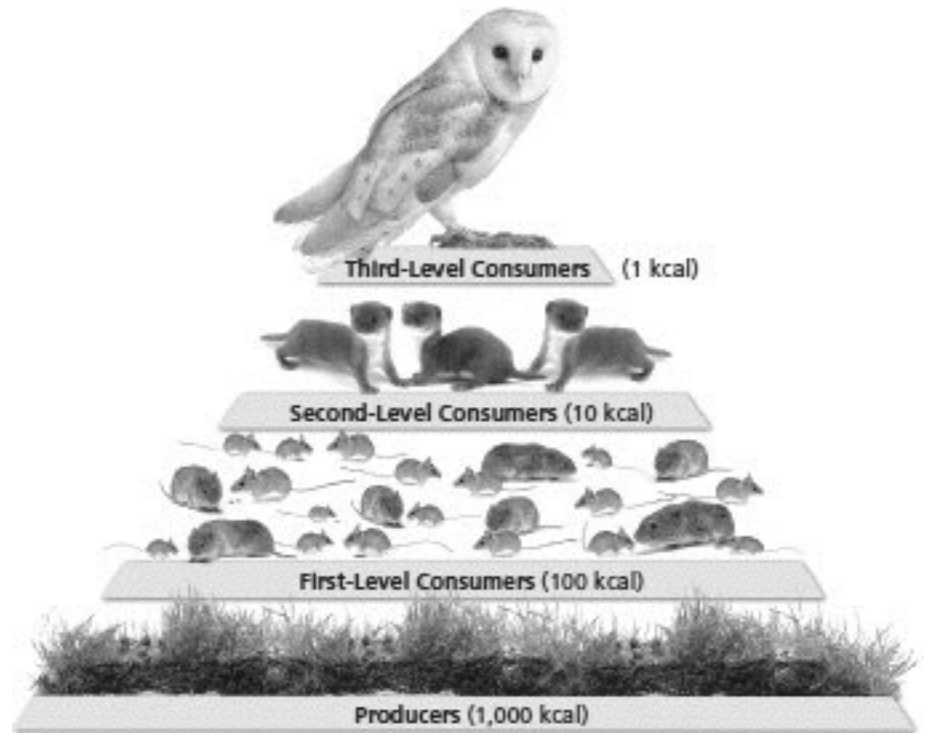
- 1) With only one top consumer, the fox, how many food chains are in the food web? Describe each chain you find.



- 2) What are the producers in this food web?
- 3) Identify the first - level, second - level, and third - level consumers.
- 4) How can the mouse be both a first - level consumer and a second - level consumer?
- 5) Identify the decomposers in this food web.

The diagram below illustrates an energy pyramid. Answer the following questions based on this diagram.

- 1) Which level includes the most energy? Which level includes the least energy? How do you know?



- 2) Which level supports the fewest organisms? Give reason to support your answer.

- 3) How many times more energy is available at the producer level than at the second-level consumer level?

- 4) Why is the pyramid shape useful for showing the energy available at each of the levels of a food web?